



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Timothy Tuttle *et al.*
APPLICATION NO.: 10/017,182
FILING DATE: December 14, 2001
TITLE: ASYNCHRONOUS MESSAGING USING A DYNAMIC ROUTING NETWORK
EXAMINER: UNASSIGNED
GROUP ART UNIT: 2151
ATTY. DKT. NO.: 22726-05935

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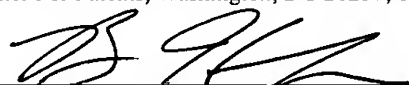
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Dated: November 19, 2002

By:


Brian M. Hoffman, Reg. No. 39,713

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INFORMATION DISCLOSURE STATEMENT

Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO/SB/08A listing references for consideration by the Examiner. Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;

- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; or (2) an action that otherwise closes prosecution in the application, and:
 - ☐ attached hereto is the fee set forth under 37 CFR § 1.17(p) for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- ☐ before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; or (2) an action that otherwise closes prosecution in the application, and:
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this

certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

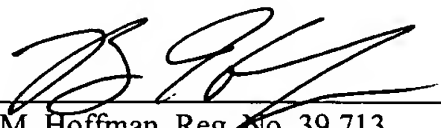
- ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
- ☐ after the payment of the issue fee. Applicant request that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No. [APPLICATION NUMBER], filed on [FILING DATE], and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- ☒ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,

TIMOTHY TUTTLE *et al.*

Dated: November 19, 2002

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PTO/SB/08A(10-01)

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application No.	10/017,182
				Filing Date	December 14, 2001
				First Named Inventor	Timothy Tuttle <i>et al.</i>
				Art Unit	2151
				Examiner Name	UNASSIGNED
Sheet	1	of	2	Attorney Docket Number	22726-05935

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U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Document No. Number - Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A1	US-6029175	02-22-2000	Chow <i>et al.</i>

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OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ³
	C1	Franklin <i>et al.</i> , "Dissemination-Based Information Systems," IEEE Data Engineering Bulletin, Vol. 19, No. 3, September 1996, 9 pages.	
	C2	Nagami <i>et al.</i> , "Toshiba's Flow Attribute Notification Protocol (FANP) Specification," April 1997, RFC 2129, Internet RFC/STD/FYI/BCP Archives [online], [retrieved on 2002-05-16]. Retrieved from the Internet: <URL: http://www.landfield.com/rfcs/rfc2129.html >, 16 pages.	
	C3	Strom <i>et al.</i> , "Gryphon: An Information Flow Based Approach to Message Brokering," International Symposium on Software Reliability Engineering '98, 1998, 2 pages.	
	C4	Sturman <i>et al.</i> , "Reflection in the Gryphon Message Brokering System," Reflection Workshop of the 13 th ACM Conference on Object Oriented Program Systems, Languages and Applications (OOPSLA '98), 1998, 5 pages.	
	C5	International DOI Foundation, "Introduction to the Digital Object Identifier," [online]. April 1998 [retrieved on 2002-05-16]. Retrieved from the Internet: <URL: http://www.doi.org/introduction.html >, 4 pages.	
	C6	Aksoy <i>et al.</i> , "Research in Data Broadcast and Dissemination", Proc. 1st Int'l Conf. on Advanced Multimedia Content Processing, Osaka University, Osaka, Japan, November, 1998.	
	C7	Banavar <i>et al.</i> , "An Efficient Multicast Protocol for Content-Based Publish-Subscribe Systems," Proc. of the 19th International Conference on Distributed Computing Systems, 1999, 9 pages.	
	C8	Banavar <i>et al.</i> , "Information Flow Based Event Distribution Middleware," Proceedings of the 1999 ICDCS Workshop on Electronic Commerce and Web-Based Applications, 1999, 8 pages.	

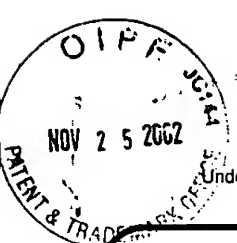
Examiner Signature		Date Considered	
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22726/05935/SF/5087946.1



Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application No.	10/017,182
				Filing Date	December 14, 2001
				First Named Inventor	Timothy Tuttle et al.
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				Examiner Name	UNASSIGNED
Sheet	2	of	2	Attorney Docket Number	22726-05935

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	C9	Aguilera <i>et al.</i> , "Matching Events in a Content-based Subscription System," Eighteenth ACM Symposium on Principles of Distributed Computing (PODC '99), Atlanta, GA, May 4-6, 1999, 9 pages.	
	C10	Banavar <i>et al.</i> , "A Case for Message Oriented Middleware," Distributed Computing, 13 th International Symposium, Bratislava, Slovak Republic, September 27-29, 1999, 18 pages.	
	C11	Aguilera <i>et al.</i> , "Efficient Atomic Broadcast Using Deterministic Merge," Symposium on Principles of Distributed Computing, 2000, 10 pages.	
	C12	Opyrchal <i>et al.</i> , "Exploiting IP Multicast in Content-Based Publish-Subscribe Systems," Proceedings of the IFIP/ACM International Conference on Distributed Systems Platforms (Middleware 2000), April 2000, 23 pages.	
	C13	Caplin Systems Ltd., White Paper "Real Time Text Protocol (RTTP)," Version 1.1, September 2000, 11 pages.	
	C14	Reuters, "Reuters Market Data Systems and the Trading Solutions Architecture," Version 1.0, January 12, 2001, 51 pages.	
	C15	Ramamrithan <i>et al.</i> , "Dissemination of Dynamic Data on the Internet," [online]. Powerpoint Presentation, Spring 2001, [retrieved on 2002-02-06], 5 pages. Retrieved from the Internet <URL: http://www.cs.umbc.edu/courses/graduate/CMSC691T/spring 2001/rlist/amit.ppt >.	
	C16	ComputerLetter, Vol. 17, No. 23, July 16, 2001, pp. 1-8.	
	C17	ComputerLetter, Vol. 17, No. 31, September 24, 2001, pp. 1-6.	
	C18	ComputerLetter, Vol. 17, No. 35, November 5, 2001, pp. 1-6.	

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